

IN THE CLAIMS

The following is a listing of the claims in the application with claims 1 and 5-7 shown as currently amended.

LISTING OF CLAIMS

1. (currently amended) A photocurable and antistatic resin composition for coating an optical fiber, comprising (A) a photopolymerizable urethane oligomer, (B) a reactive monomer having at least one (meth)acrylate or vinyl group, (C) a photoinitiator, and (D) an antistatic agent compatible with the oligomer and the monomer, wherein the photopolymerizable urethane acrylate oligomer (A) is derived from an urethane reaction of a mixture comprising (i) a polyol copolymer mixed with a sorbitan fatty acid ester or polyoxyethylene sorbitan fatty acid ester, (ii) a polyisocyanate, (iii) a hydroxyl(meth)acrylate, (iv) an urethane reaction catalyst and (v) a polymerization initiator.

2. (original) The resin composition of claim 1, wherein the components (A) to (D) are employed in amounts of 40 to 70% by weight, 15 to 50% by weight, 0.5 to 10% by weight, and 1 to 30% by weight, respectively, based on the total weight of the composition.

3. (original) The resin composition of claim 1, which further comprise (E) a pigment or dye.

4. (original) The resin composition of claim 1, which further comprise (E) a pigment or dye.

5. (currently amended) The resin composition of claim 1, wherein the photopolymerizable urethane acrylate oligomer (A) is synthesized by an urethane reaction from a mixture comprising (i) 25% to 50% by weight of a polymer copolymer optionally mixed with a sorbitan fatty acid ester or polyoxyethylene sorbitan fatty acid ester, (ii) 20 to 40% by weight of a polyisocyanate, (iii) 20 to 35% by weight of a hydroxyl(meth)acrylate, (iv) 0.01 to 1% by weight of an urethane reaction catalyst and (v) 0.01 to 1% by weight of a polymerization initiator components (i) to (v) are employed in amounts of 25 to 50% by weight, 20 to 40% by weight, 20 to 35% by weight, 0.01 to 1% by weight, and 0.01 to 1% by weight, respectively, based on the mixture for the urethane reaction.

6. (currently amended) The resin composition of claim ~~{5}~~ 1, wherein the sorbitan fatty acid ester is selected from the group consisting of sorbitan monolaurate, sorbitan monopalmitate, sorbitan monostearate, sorbitan tristearate, sorbitan monooleate, sorbitan sesquioleate, sorbitan trioleate, and a mixture thereof.

7. (currently amended) The resin composition of claim ~~{5}~~ 1, wherein the sorbitan fatty acid ester is employed in an amount of 1 to 5% by weight of the polyol polymer.

8. (original) The resin composition of claim 1, wherein the antistatic agent is selected from the group consisting of a non-ionic or cationic amine, polyhydric alcohol fatty acid ester, a fatty amide, an alkyl betain and a mixture thereof.